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🔍 Title: **JP60092459A2: MANUFACTURE OF COPPER WIRE COATED WITH BY HOT DIPPING**

🔍 Derwent Title: Dip plating copper wire with solder - by surface treating in acid flux vessel, ground plating, finish plating on vessel contg. aluminium and pulling through die [\[Derwent Record\]](#)

🔍 Country: **JP Japan**
 🔍 Kind: **A (See also: [JP60059299B4](#))**

🔍 Inventor: **HAMAGUCHI SADAJI;**

🔍 Assignee: **TATSUTA ELECTRIC WIRE & CABLE CO LTD**
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🔍 Published / Filed: **1985-05-24 / 1983-10-24**

🔍 Application Number: **JP1983000198565**

🔍 IPC Code: **C23C 2/38; C23C 2/08;**

🔍 Priority Number: **1983-10-24 JP1983000198565**

🔍 Abstract: **PURPOSE:** To manufacture the titled copper wire with high solderability and oxidation resistance by uniformly stirring a molten solder bath for finishing when a copper wire is successively subjected to surface treatment, undercoating with solder contg. no Al by hot dipping, and finishing with solder contg. Al by hot dipping.

CONSTITUTION: A copper wire 1a drawn from a feed roll 1 is dipped in an acidic flux tank 2 to carry out surface treatment. The wire 1a is then dipped in a hot dipping tank 7 filled with molten solder contg. no Al, and the resulting layer is adjusted to a prescribed thickness through drawing dies 6 and solidified by cooling. The wire 1a is further dipped in a hot dipping tank 7 filled with molten solder contg. Al. At this time, a jet stirrer 12 placed in the tank 7 is worked to keep the Al content and melt viscosity of the molten solder uniform. The finished copper wire 1a is vertically pulled up through finishing dies 9, and after solidifying the resulting layer by cooling in a cooler 10, the wire 1a is coiled around a coiler 18 through a tank 13 filled with a water soluble lubricant.

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🔍 Other Abstract Info: **None**

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